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## REPORT OF THE SECRETARY

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### THE FOURTEENTH ANNUAL MEETING.

The fourteenth annual meeting of the Kansas Academy of Science was held in Topeka, opening on the afternoon of Wednesday, November 9th, 1881, and occupying the remainder of that day and the two days following.

Lectures were delivered upon the evenings of the 9th and 10th in Representative Hall. The lecture of the evening of the 9th was upon the subject, "Botany Popularly Considered," by Mr. E. N. Plank, of Independence; while that of the evening of the 10th was delivered by Professor George E. Patrick, of the State University, upon "Chemistry in the Arts."

During the sessions of November 10th and 11th, the following papers were presented and discussed: "Genesis and Geology," Rev. J. H. Carruth. "The Agate Beds of Trego County, Kansas," Joseph Savage. "Preparatory Stages of a Leaf-eating Lady-bird (*Epilachna corrupta*)," E. A. Popenoe. "Ancient Stone Remains on the Continental Divide in Colorado," J. R. Mead. "Some New Medicinal Herbs indigenous to Kansas," Dr. W. S. Newlon. "The Leavenworth Coal Mines," Joseph Savage. "The Analysis of Drinking Waters," Professor G. H. Failyer. "Notes on the Habits of Certain *Momotidæ*," G. F. Gaumer. "Visualized Numerals," Dr. A. H. Thompson. "The Impurities of Water as Affecting its Value for Domestic and Manufacturing Purposes, and a Mode of Purifying It," William Tweeddale. "Salt Wells of Wichita," J. R. Mead. "Igneous Rocks of Kansas," Robert Hay. "Preliminary List of Kansas Invertebrate Fossils," George S. Chase. "The Constitution of the Sun," Prof. H. S. S. Smith. "The Fossils of Riley County," Silas C. Mason. "Notes on a Trip to Mammoth Cave," Prof. J. T. Lovewell. "Archæological Explorations in the Pecos Valley," Prof. F. H. Snow. "The Physical Basis of Ghosts," Wm. M. Crichton. "Plants of Montgomery County, Kansas," E. N. Plank. "Importance of the Spelling Reform," Prof. G. M. Stearns.

The following board of officers were elected for a term of one year: President, Prof. J. T. Lovewell, Topeka; Vice Presidents, Joseph Savage and Rev. J. H. Carruth, of Lawrence; Secretary, E. A. Popenoe, Manhattan; Treasurer, R. J. Brown, Leavenworth.

A committee consisting of Joseph Savage, I. T. Goodnow and J. T. Lovewell, appointed for the purpose of securing funds for the erection of a suitable monument to the memory of Prof. B. F. Mudge, presented a preliminary report.

A resolution was presented, and adopted, as follows:

"Resolved, That the Kansas Academy of Science have heard with profound sorrow of the sudden death of Linnaeus A. Thomas, a member of this Academy, well known and honored throughout the State as an earnest student of science, and a successful teacher of youth. We can only bow in humility at this visitation of Divine Providence, by which our beloved fellow-worker has been cut down in the midst of his usefulness, and we extend our sympathy to his stricken family."

#### THE FIFTEENTH ANNUAL MEETING.

The fifteenth annual meeting was opened at Topeka, in the Senate Chamber, on the afternoon and evening of the 16th of November, 1882, and continued over the 17th and 18th.

In pursuance of a departure from precedent adopted at the fourteenth meeting of the Academy, one of the evenings was devoted to a social reunion. The second evening was occupied by Prof. H. S. S. Smith, of the State University, in a popular lecture upon "Comets, with especial reference to Comet 'B,' of 1882."

During the remainder of the session, in addition to the transaction of business hereinafter noted, the Academy listened to the presentation and discussion of the papers in the following programme: "The Coal Fields of Cherokee County, Kansas," E. Haworth. "Notes on the Golden Turkey," Prof. Geo. F. Gaumer. "Differences of Temperature due to Local Causes," Prof. J. T. Lovewell. "Fossil Wood," Robert Hay. "Two Rare Minerals," Prof. G. E. Patrick. "Report on the Work in Kansas Botany for 1882," Rev. J. H. Carruth. "Kansas Ethnography—I. Preliminary Notice," Dr. A. H. Thompson. "Additions to the List of Kansas Coleoptera," Prof. F. H. Snow. "Are there Igneous Rocks in Cherokee County, Kansas?" E. Haworth. "Notes on the *Heloderma suspectum* (Cope)," Prof. F. H. Snow. "List of Coleoptera taken in Gallinas Cañon, N. M., in 1882," Prof. F. H. Snow. "List of Lepidoptera taken in Gallinas Cañon, N. M., in 1882," Prof. F. H. Snow. "The Pictured Rocks of Pipe Creek," Silas C. Mason. "On some American Species of *Cyclops*," Prof. F. W. Cragin. "Observations on Comet 'B,' 1882," Prof. H. S. S. Smith. "Observations on the Nesting Habits of the Guillemots at Bird Rock," Col. N. S. Goss. "Protozoan Remains in Kansas Chalk," Prof. G. E. Patrick. "Las Vegas Mineral Waters," Prof. J. T. Lovewell. "Standard Time," Prof. H. S. S. Smith. "A Plea for our Little Birds," Col. N. S. Goss. "Pleistocene Foot-Prints," Col. Henry Inman. "Cremation," Dr. W. S. Newlon.

The following proceedings of the Academy are deemed of general interest: It was voted that each year hereafter it shall be the duty of the chairman of each commission to present a brief report upon the progress of his department of science during the year; and that the President shall deliver a public address on the evening of one of the days of the meeting at the expiration of his term of office.